

WEST

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L6: Entry 16 of 16

File: DWPI

Jun 28, 1979

DERWENT-ACC-NO: 1979-49317B

DERWENT-WEEK: 197927

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TITLE: Sound-damping laminate used as wall-covering - made of polyethylene sheet with noise-absorbing depressions sealed by smooth covering polystyrene foil

INVENTOR: KIESEWETTE, N; LAKATOS, B

PRIORITY-DATA: 1977DE-2758041 (December 24, 1977), 1979DE-2921050 (May 23, 1979)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 2758041 A	June 28, 1979		000	
DE 2758041 C	October 31, 1985		000	

INT-CL (IPC): E04B 1/84; E04F 13/18

ABSTRACTED-PUB-NO: DE 2758041A

## BASIC-ABSTRACT:

Noise-absorbing building element comprises 2 superposed plastics sheets or films. At least 1 ply has cup-shaped depressions arranged to form a grid-like pattern. When the claimed article is installed, e.g. for lining the walls of rooms to insulate them acoustically, the bottom of these depressions face any incident noise so that they are made to effect energy-losing vibrations, whilst the upper edges of the depressions are covered by a flat film or sheet, also capable of vibrations, which effectively seals off the air in the depressions. The sheet with the depressions is pref. made of polyethylene, the flat covering sheet, of polystyrene.

Combines light wt. with efficacious noise damping characteristics. The elements are easy to clean, and can be made fully transparent or coloured.

  
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L2: Entry 15 of 16

File: DWPI

Oct 25, 1990

DERWENT-ACC-NO: 1990-328302

DERWENT-WEEK: 199044

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TITLE: Sound-absorbing ceiling cladding panel - has perforated stiffening plate glued to rear of honeycomb grille of corrugated strips

INVENTOR: SCHMELZLE, B

PRIORITY-DATA: 1989DE-3913255 (April 22, 1989)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE <u>3913255</u> A	October 25, 1990		000	

INT-CL (IPC): B32B 3/12; B32B 5/02; E04B 1/84; E04C 2/36; E04F 13/08; G10K 11/16

ABSTRACTED-PUB-NO: DE 3913255A

## BASIC-ABSTRACT:

The ceiling- or wall-cladding panel comprises a visible metal plate with apertures, behind which is a honeycomb grille glued to it with its passages in line with the apertures and preferably of aluminium. This is followed in turn by an intermediate sound-permeable layer, preferably of fibrous material, and a sound-absorbent layer, preferably of mineral wool.

On the side of the grille (4) furthest from the metal plate (2) is a stiffening plate (5) with apertures (52) and glued to it. The grille is formed by undulating strips (42, 42', 42") of thin sheet material glued together.

USE/ADVANTAGE - Economy of material combined with good sound-absorption and high resistance to bending.

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L3: Entry 31 of 32

File: DWPI

Nov 5, 1987

DERWENT-ACC-NO: 1987-314722

DERWENT-WEEK: 198745

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TITLE: Sound waves or noise damping device - uses sound radiating housing wall carrying foil layer exposed to counter-phase signal

INVENTOR: HORVATH, E

PRIORITY-DATA: 1986AT-0001171 (April 30, 1986)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 3713780 A	November 5, 1987		003	
AT 8601171 A	April 15, 1990		000	
SE 8701660 A	October 31, 1987		000	

INT-CL (IPC): G10K 11/16; H02K 5/24

ABSTRACTED-PUB-NO: DE 3713780A  
BASIC-ABSTRACT:

The noise damping and compensation device includes a sound radiating housing wall (1) provided with a film layer (2) which is exposed to a counter-phase signal on the side facing away from the sound or noise emitting body.

A conventionally used type of film completely or partially encloses the emitter body and/or the housing around it. The emitter itself can comprise an electrical machine or electrical device, in which case the film (2) practically functions as a microphone (5) in that its signals are re-applied to the film via an amplifier (6).

USE/ADVANTAGE - Noise damping, restriction, compensation by using, e.g. film having piezo-electric properties.